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*North America's Leader in Hazardous Material Information Management*  
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## MSDS PRODUCT INFORMATION

Date: 10/07/2005  
To: MSDS Requester  
From: 3E Company  
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☐ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☒ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Dexol Division of Ringer Corporation  
Product Name: Mole Killer Pellets

**MATERIAL SAFETY DATA SHEET**  
(Complies with OSHA CFR 1910.1200, ANSI Z 400.1-1993)

**SECTION 1: Chemical Product & Company Identification**

**Product Name(s):** Dextol® Mole Killer Pellets 2

**EPA Number:** 192-204

**Manufacturer Name & Address:** Dextol, a division of Verdant Brands Inc. 9555 James Avenue S., Ste 200, Bloomington, MN 55431

**Telephone Contact Number & Hours of Operation:** (612) 703-3300, 8:00 a.m. - 5:00 Central Time

**Emergency Telephone Contact Number:** Chemtrec: 800-424-9300

**SECTION 2: Composition/Information on Ingredients**

<u>Hazardous Ingredients<sup>(1)</sup>:</u>	% by	CAS No.	OSHA	PEL	ACGIH TLV	STEL
	weight		TWA	STEL	TWA	
zinc phosphide	2.0	1314-84-7	NE	NE	NE	NE

\* all ingredients in quantities > 1.0 % (0.1 % for carcinogens or teratogens) that are potentially hazardous per OSHA definitions

N/A = not applicable NE = not established

**SECTION 3: Hazards Identification**

**EMERGENCY OVERVIEW**

**Physical description:** gray/black mottled pellet

**Odor:** pungent, sour odor

**Physical Hazards:** AVOID CONTACT WITH WATER

**Potential Health Effects:** This material may be moderately irritating to the eyes, skin and respiratory tract. Personnel responding to a spill of this material should avoid prolonged skin contact or inhalation of dust to prevent toxic effects (see Notes to Physician, in First Aid Section)

**SECTION 4: First Aid Measures**

**Skin Contact:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**Ingestion:** If swallowed, promptly drink large amounts of water. Never give liquids to an unconscious person. DO NOT induce vomiting. Get medical attention.

**Eye Contact:** Flush eyes with plenty of water. Call a physician if irritation persists.

**Inhalation:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**NOTES TO PHYSICIAN:** Ingestion of 4-5 g has produced death in human adults. Primary toxicity thought to be due to formation of phosphine gas. No specific antidote known.

**SECTION 5: Fire Fighting Measures**

**Extinguishing media:** dry chemical

**Flashpoint:** N/A

**Hazardous products of combustion:** avoid water, foam and CO<sub>2</sub>, as they may form phosphine gas on contact with zinc phosphide

**Protective Equipment:** Use NIOSH/MSHA approved SCBA and bunker gear.

**NFPA Ratings:** Health = 2 Fire = 1 Reactivity = 2

#### **SECTION 6: Accidental Release Measures**

**Spills:** Sweep material into containers, taking care not to generate dust. If original containers are not available and material is not reusable, place in metal drum and seal. Dispose of in accordance with instructions in Section 13.

#### **SECTION 7: Handling & Storage**

**Storage:** Store away from water, out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not reuse container.

**Storage Temperature:** Avoid excessive temperatures and direct sunlight.

#### **SECTION 8: Exposure Controls & Personal Protective Equipment**

**Skin:** Protective gloves recommended

**Eye Protection:** Recommended to avoid getting material directly into eyes

**Respiratory:** In typical applications no engineering controls should be needed; if industrial hygiene surveys show that occupational exposure limits may be exceeded, use NIOSH approved respirator with dust/mist cartridges

#### **SECTION 9: Physical & Chemical Parameters**

**Boiling Point:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Solubility in Water:** negligible

**Appearance and Odor:** gray/black mottled pellet, pungent, sour odor

**Melting Point:** N/A

**Evaporation Rate:** N/A

**Specific Gravity:** N/A

**Bulk Density:** 33 - 37 lbs/ft<sup>3</sup>

#### **SECTION 10: Stability & Reactivity**

**Stability:** stable

**Incompatibilities:** WATER, acids, alkalis or oxidizers

**Hazardous polymerization:** will not occur

#### **SECTION 11: Toxicological Information**

**Note to Consumers:** Information provided in this section is oriented to medical and public health professionals involved in the assessment and treatment of excessive and/or accidental exposures.

Intense nausea, abdominal pain, excitement, and chills are early symptoms. Tightness in the chest, dyspnea and cough, productive of frothy sputum, reflect pulmonary edema. Shock from toxic myocarditis is common. If these conditions are survived, jaundice from liver necrosis, and anuria from renal tubular injury are later complications. Hypocalcemic tetany and purpura have occurred in some poisonings.

Rabbit Dermal LD<sub>50</sub> = >2,000 mg/kg Rat Oral LD<sub>50</sub> = 910 mg/kg

May be a weak contact sensitizer on repeated contact.

**Carcinogens:** None listed per OSHA, NTP, IARC

#### **SECTION 12: Ecological Information**

**Ecotoxicity:** May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by cleaning of equipment or disposal of washwaters.

**Environmental Fate:** no data

**SECTION 13: Disposal Considerations**

This material (as packaged) is considered a hazardous waste (EPA P122, U249). Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

**SECTION 14: Transport Information**

**DOT Hazard Description:** N/A

**SECTION 15: Regulatory Information**

**CERCLA RQ:** 100 lbs.

**SARA TPQ:** 500 lbs.

**Individual States:** States such as Pennsylvania, New Jersey, California, Vermont, Massachusetts and Rhode Island may all have components of this product listed; consult specific state regulatory requirements for additional information.

**SECTION 16: Other Information**

For additional information, refer to the American Conference of Governmental Industrial Hygienists (ACGIH) documentation of TLV's (Threshold Limit Values) for individual components and the DOT Emergency Response Guidebook.

**This information is provided in good faith, but without express or implied warranty.**